

# Mulberry

## Academy Woodside

### CORE SUBJECTS: GCSE Combined Science

#### HEAD OF DEPARTMENT

Mr G Mason

#### EXAM BOARD

Edexcel

#### BREAKDOWN OF MARKS

Biology - 2 Papers (33% of final mark)

Chemistry - 2 Papers (33% of final mark)

Physics - 2 Papers (33% of final mark)

The scores from ALL papers are added together to give a total out of 360.

Your overall score determines your grade. You do not get separate grades for Biology, Chemistry or Physics

#### SKILLS

Ability to study independently

Application of prior knowledge

Application of knowledge to unfamiliar situations

Calculations and other mathematical skills such as graph drawing

Carry out practical work to a high standard

Evaluating experimental procedure and evidence

Make links between different subject areas

Organisation

#### VITAL INFORMATION

This course is assessed through exams, there is no coursework

You will sit a total of 6 exams, 2 for Biology, 2 for Chemistry and 2 for Physics.

Each exam is 1 hour and 10 minutes long and each paper has a maximum mark of 60.

You will be entered for either Foundation or Higher tier.

The maximum achievable grade at Foundation is a Grade 5 and for Higher is a Grade 9.

#### CURRICULUM CONTENT

Combined Science covers a huge range of topics from Biology, Chemistry and Physics.

You will cover all of the key concepts that are essential for a good understanding of Science in the modern world, including cells, life processes, atoms, chemical reactions, forces and energy.

Combined Science will give you an opportunity to expand on your prior learning through Years 7 to 9.

You will also study core practicals which you are required to have either carried out or seen. The core practicals will get you to apply your knowledge to unfamiliar situations.

There will also be a lot of mathematics involved, especially in Physics. You will need to be able to rearrange and solve equations, carry out unit conversions and apply equations to unfamiliar situations, as well as drawing and analysing graphs.

#### CURRICULUM & CAREER PROGRESSION

##### NEXT STEPS

A-Level Biology

A-Level Chemistry

A-Level Physics

BTEC Level 3 Applied Science

BTEC Level 3 Engineering

BTEC Level 3 Pharmaceutical Science

##### CAREERS

Chemical Engineer

Doctor

Ecologist

Engineer

Laboratory Technician

Materials Scientist

Nurse

Research Scientist

Science Teacher